

What is claimed is:

Sec 33

1. A blood vessel wall defining device for repairing an aneurysm comprising in combination,
a per cutaneously-insertable structural frame extending between a first end and a second end having an unexpanded diameter which is smaller than the diameter of said blood vessel for said structural frame to be per cutaneously placed into said blood vessel, said structural frame being expandable to form a generally cylindrical structural skeleton having a lightly larger diameter than said blood vessel to facilitate the securing of said structural skeleton in position in said blood vessel;
said structural frame including a plurality of longitudinal support rods;
said support rods being attached to a tubular sheath for at least a portion thereof;
a plurality of expandable ring stents longitudinally displaced internally of said tubular sheath;
said ring stents having a smaller deployment diameter prior to use and an expanded diameter in the uncoiled position;
said ring stents having ratchet means for locking in an expanded position internally against the inner surface of said sheath.

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